

DANDELION CONTROL IN SOYBEAN

Trial ID: 04SOYDAN1 Study Dir.: Anthony F. Dobbels
Location: WESTERN ENTOMOLOGY W-4 Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	TAROF Common dandelion	Taraxacum officinale
2.	LAMPU Deadnettle, Red	Lamium purpureum
3.	STEME Common chickweed	Stellaria media

Crop 1: GLXMA SOYBEAN Variety: SEED CONSULTANTS SC9333
Planting Date: 4-28-04 Planting Method: JOHN DEERE 7200
Rate: 155000 SEED/A Depth: 0.5 IN
Row Spacing: 30 IN Seed Bed: NO-TILL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance:
APPLIED 22 OZ/A ROUNDUP WEATHERMAX 6-3-04

SOIL DESCRIPTION

% OM:	2.9	Texture:	SILT LOAM
pH:	6.1	Soil Name:	CROSBY
CEC:	18		

APPLICATION DESCRIPTION

A
Application Date: 4-22-04
Time of Day: 11:00 A.M.
Application Method: SPRAY
Application Timing: 7 EPP
Applic. Placement: BROADCAST
Air Temp., Unit: 58 F
% Relative Humidity: 70
Wind Velocity, Unit: 3 E
Soil Temp., Unit: 53 F
Soil Moisture: MOIST/WET
% Cloud Cover: 100

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: GLXMA

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: TAROF 8-12"
Stage Scale: >12 LVS
Density, Unit: 12 m2
Weed 2 Code, Stage: LAMPU 4-6"
Stage Scale: >12 LVS
Density, Unit: 8.6 m2
Weed 3 Code, Stage: STEME >12"
Stage Scale: >12 LVS
Density, Unit: 13 m2

APPLICATION EQUIPMENT

A
Appl. Equipment: BACKPACK
Operating Pressure: 50
Nozzle Type: DG
Nozzle Size: 11002
Nozzle Spacing, Unit: 18 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume, Unit: 20 GPA
Propellant: CO2

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Weed Code						TAROF	TAROF	TAROF	TAROF	TAROF
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date						4-29-04	5-7-04	5-21-04	6-3-04	7-1-04
Trt-Eval Interval						7 DA-A	15 DA-A	29 DA-A	AT POST	28 DAPO
# Subsamples, Dec.						0	0	0	0	0
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
1	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	13	53	86	70	92
1	AMS	4 qt/a		7 EPP						
2	ROUNDUP WEATHERMAX	33 oz/a		7 EPP	A	10	77	98	93	96
2	AMS	4 qt/a		7 EPP						
3	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	30	57	85	88	92
3	2,4-D ESTER	1 pt/a		7 EPP						
3	AMS	4 qt/a		7 EPP						
4	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	20	62	88	90	98
4	2,4-D ESTER	2 pt/a		7 EPP						
4	AMS	4 qt/a		7 EPP						
5	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	50	90	93	82	97
5	VALOR	2 oz/a		7 EPP						
5	AMS	4 qt/a		7 EPP						
6	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	50	87	93	78	92
6	VALOR	2 oz/a		7 EPP						
6	2,4-D ESTER	1 pt/a		7 EPP						
6	AMS	4 qt/a		7 EPP						
7	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	33	63	93	96	97
7	AIM	0.5 oz/a		7 EPP						
7	2,4-D ESTER	1 pt/a		7 EPP						
7	AMS	4 qt/a		7 EPP						
8	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	40	72	96	93	96
8	CANOPY XL 3.5 OZ									
8	F6025	1.34 oz/a		7 EPP						
8	QY998	2.18 oz/a		7 EPP						
8	AMS	4 qt/a		7 EPP						
9	ROUNDUP WEATHERMAX	22 oz/a		7 EPP	A	43	73	96	97	93
9	CANOPY XL 3.5 OZ									
9	F6025	1.34 oz/a		7 EPP						
9	QY998	2.18 oz/a		7 EPP						
9	2,4-D ESTER	1 pt/a		7 EPP						
9	AMS	4 qt/a		7 EPP						
10	GRAMOXONE MAX	1.3 pt/a		7 EPP	A	40	57	85	63	98
10	CANOPY XL 3.5 OZ									
10	F6025	1.34 oz/a		7 EPP						
10	QY998	2.18 oz/a		7 EPP						
10	AMS	4 qt/a		7 EPP						
11	GRAMOXONE MAX	1.3 pt/a		7 EPP	A	47	60	99	95	98
11	CANOPY XL 3.5 OZ									
11	F6025	1.34 oz/a		7 EPP						
11	QY998	2.18 oz/a		7 EPP						
11	2,4-D ESTER	1 pt/a		7 EPP						
11	AMS	4 qt/a		7 EPP						
12	GRAMOXONE MAX	1.3 pt/a		7 EPP	A	47	65	80	75	92
12	SENCOR	8 oz/a		7 EPP						
12	2,4-D ESTER	1 pt/a		7 EPP						
12	COC	1.6 pt/a		7 EPP						
13	GRAMOXONE MAX	1.3 pt/a		7 EPP	A	50	77	93	88	94
13	CANOPY XL 3.5 OZ									
13	F6025	1.34 oz/a		7 EPP						
13	QY998	2.18 oz/a		7 EPP						
13	SENCOR	4 oz/a		7 EPP						
13	COC	1.6 pt/a		7 EPP						
14	GRAMOXONE MAX	1.3 pt/a		7 EPP	A	53	79	97	97	99
14	CANOPY XL 3.5 OZ									
14	F6025	1.34 oz/a		7 EPP						
14	QY998	2.18 oz/a		7 EPP						
14	SENCOR	4 oz/a		7 EPP						
14	2,4-D ESTER	1 pt/a		7 EPP						
14	COC	1.6 pt/a		7 EPP						
LSD (P=.05)						9.1	15.5	10.1	17.3	8.1
Standard Deviation						5.4	9.2	6.0	10.3	4.9
CV						14.43	13.28	6.54	11.97	5.09
Replicate F						0.565	8.564	3.075	2.540	0.231
Replicate Prob(F)						0.5751	0.0014	0.0633	0.0982	0.7956
Treatment F						20.770	4.775	2.840	3.278	1.041
Treatment Prob(F)						0.0001	0.0003	0.0113	0.0048	0.4458